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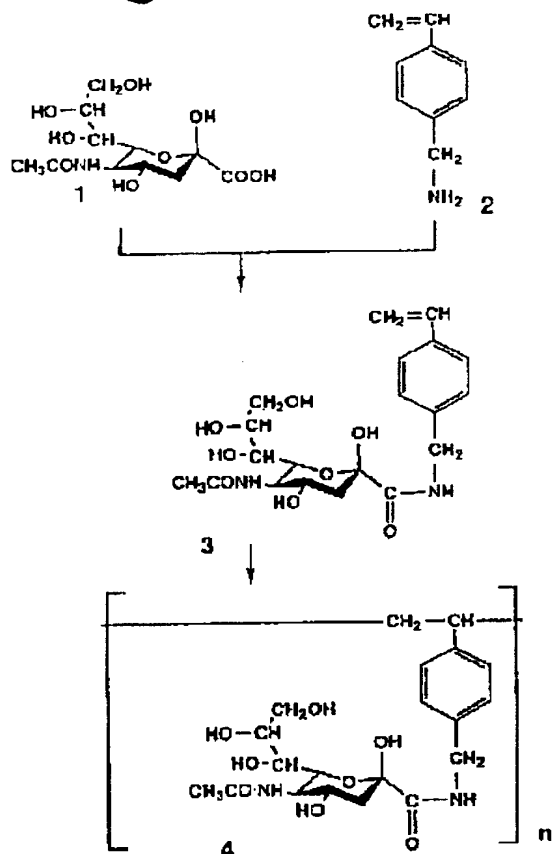
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TITLE : FUNCTIONAL MATERIAL CONTAINING
SIALOGLYCOCHAIN AND ITS
SYNTHESIS



ABSTRACT : PROBLEM TO BE SOLVED: To obtain a functional material contg. sialoglycochain, which is easy to be synthesized and utilized as a biomodel, etc., for its excellent orientation in water, and a synthesis method therefor.

SOLUTION: A functional material contg. sialoglycochain monomer is synthesized by reacting a compd. having an amino group and a compd. having sialoglycochain at 0-50°C by adding an activating reagent to bond the amino group of the compd. contg. an amino group and the carboxyl group of the compd. contg. sialoglycochain by dehydrocondensation. A polymer of the functional material contg. sialoglycochain is obtd. by polymerization or copolymerization of the monomer. The material obtd. has highly concentrated glycochain signal oriented on the solid surface and can be used as a biomedical material, etc.

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